



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q79804

Hiroshi UEDA, et al.

Appln. No.: 10/774,498

Group Art Unit: 1714

Confirmation No.: 8709

Examiner: Unknown

Filed: February 10, 2004

For: PROCESS FOR PREPARING A BIARYL COMPOUND

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

1. A. Sentissi et al., "Pentafluorobenzenesulfonyl Chloride: A New Electrophoric Derivatizing Reagent with Application to Tyrosyl Peptide Determination by Gas Chromatography with Electron Capture Detection", Analytical Chemistry (1984), 56 (13), pp. 25-12-2517.

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2. S. Boisnard et al., "A high throughput synthesis of aryl triflate and aryl nonaflate promoted by a polymer supported base (PTBD), *Tetrahedron Letters* (1999), 40 (42), pp. 7469-7472.
3. WO 01/12183, published February 22, 2001.
4. WO 00/43372, published July 27, 2000.
5. WO 01/36376, published May 25, 2001.
6. Japanese Patent Application Publication No. 2001-212185, published April 3, 2001 with English Abstract.
7. WO 97/24342, published July 10, 1997.
8. Japanese Patent Application Publication No. 2000-212185, published August 2, 2000 with English Abstract.
9. J.W. Janetka et al., "Total Synthesis of the Cyclic Biphenyl Ether Peptides K-13 and OF4949-III via S<sub>N</sub>Ar Macrocyclization of Peptidyl Ruthenium π-Arene Complexes", *J. Am. Chem. Soc.*, (1997), 119, pp. 6488-6495.
10. Bulletin of the Journal of Chemical Society of Japan, (2000), 73(1), pp. 231-235.
11. Australian Journal of Chemistry, (1966), 19(12), pp. 2361-2372.
12. Journal of Medicinal Chemistry, (1977), 20(12), pp. 1584-1588.
13. WO 02/39997, published May 23, 2002.
14. *Tetrahedron* (2002), 58(15), pp. 3101-3110.
15. *Tetrahedron Letters* (2002), 43(12), pp. 2211-2214.
16. *Journal of Organic Chemistry* (1996), 61(9), pp. 2922-2923.

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17. Journal of Medicinal Chemistry (1991), 34(3), pp. 1125-1136.
18. European Patent Application No. 339549, published November 2, 1989.
19. U.S. Patent No. 6,403,584 issued June 11, 2002.
20. U.S. Patent No. 2002-0010199 issued January 24, 2002.
21. WO 01/96303, published December 20, 2001.
22. WO 01/96304, published December 20, 2001.
23. WO 01/77113, published October 18, 2001.
24. WO 01/47874, published July 5, 2001.
25. WO 01/44226, published June 21, 2001.
26. WO 01/14328, published March 1, 2001.
27. WO 00/77027, published December 21, 2000.
28. WO 00/76971, published December 21, 2000.
29. WO 00/76970, published December 21, 2000.
30. Journal of Organic Chemistry (2001), 66(1), pp. 348-350.
31. WO 99/26921, published June 3, 1999.
32. DE 4443892, published June 13, 1996.
33. Journal of Organic Chemistry (1996), 61(9), pp. 2922-2923.
34. WO 95/30673, published November 16, 1995.
35. Japanese Patent Application No. 53-103440, published September 8, 1978.
36. WO 01/47867, published July 5, 2001.
37. WO 00/71572, published November 30, 2000.

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INFORMATION DISCLOSURE STATEMENT

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

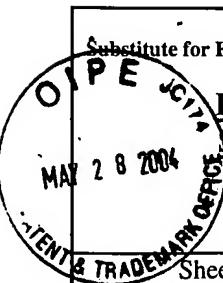
Respectfully submitted,

  
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WASHINGTON OFFICE  
**23373**  
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Date: May 28, 2004



Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of 2

*Complete if Known*

Application Number	10/774,498
Confirmation Number	8709
Filing Date	February 10, 2004
First Named Inventor	Hiroshi UEDA
Art Unit	1714
Examiner Name	Unknown
Attorney Docket Number	Q79804

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 6,403,584	A	06/11/2002	
		US 2002-0010199	A	01/24/2002	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		
		WO	01/12183		02/22/2001	
		WO	00/43372		07/27/2000	
		WO	01/36376		05/25/2001	
		JP	2001-212185	A	04/03/2001	English Abstract
		WO	97/24342		07/10/1997	
		JP	2000-212185	A	08/02/2000	English Abstract
		WO	02/39997	A2	05/23/2002	
		EP	339549	A2	11/02/1989	
		WO	01/96303	A	12/20/2001	
		WO	01/96304	A	12/20/2001	
		WO	01/77113	A	10/18/2001	
		WO	01/47874	A	07/05/2001	
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		WO	01/14328		03/01/2001	
		WO	00/77027		12/21/2000	
		WO	00/76971		12/21/2000	
		WO	00/76970		12/21/2000	
		WO	99/26921		06/03/1999	
		DE	444892	A	06/13/1996	
		WO	95/30673	A	11/16/1995	
		JP	53-103440		09/08/1978	
		WO	01/47867		07/05/2001	
		WO	01/71572		11/30/2000	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		A. Sentissi et al., "Pentafluorobenzenesulfonyl Chloride: A New Electrophoric Derivatizing Reagent with Application to Tyrosyl Peptide Determination by Gas Chromatography with Electron Capture Detection", Analytical Chemistry (1984), 56 (13), pp. 25-12-2517.	

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	✓	J.W. Janetka et al., "Total Synthesis of the Cyclic Biphenyl Ether Peptides K-13 and OF4949-III via S <sub>N</sub> Ar Macrocyclization of Peptidyl Ruthenium π-Arene Complexes", J. Am. Chem. Soc., (1997), 119, pp. 6488-6495.	
	✓	S. Boisnard et al., "A high throughput synthesis of aryl triflate and aryl nonaflate promoted by a polymer supported base (PTBD), Tetrahedron Letters (1999), 40(42), pp. 7469-7472.	
	✓	Bulletin of the Journal of Chemical Society of Japan, (2000), 73(1), pp. 231-235.	
	✓	Australian Journal of Chemistry, (1966), 19(12), pp. 2361-2372.	
	✓	Journal of Medicinal Chemistry, (1977), 20(12), pp. 1584-1588.	
	✓	Tetrahedron (2002), 58(15), pp. 3101-3110.	
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	✓	Journal of Organic Chemistry (1996), 61(9), pp. 2922-2923.	
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